

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121025\
 Data File : VW032607.D
 Acq On : 10 Dec 2025 10:28
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 11 01:53:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:52:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	377268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	688012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	623887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	305785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	19043	6.413	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	12.820%#		
35) Dibromofluoromethane	7.904	113	15399	6.227	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	12.460%#		
50) Toluene-d8	10.324	98	57814	3.274	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	6.540%#		
62) 4-Bromofluorobenzene	12.617	95	22715	3.504	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	7.000%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.039	85	12915	5.513	ug/l	82
3) Chloromethane	2.253	50	22920	5.546	ug/l	96
4) Vinyl Chloride	2.405	62	25713	5.214	ug/l	99
5) Bromomethane	2.826	94	17021	5.182	ug/l	89
6) Chloroethane	2.966	64	15747	4.949	ug/l	89
7) Trichlorofluoromethane	3.307	101	22132	5.126	ug/l	86
8) Diethyl Ether	3.722	74	15311	5.296	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	24211	5.600	ug/l	99
10) Methyl Iodide	4.313	142	30000	4.983	ug/l	100
11) Tert butyl alcohol	5.216	59	10164	25.942	ug/l #	83
12) 1,1-Dichloroethene	4.082	96	23057	5.034	ug/l	96
13) Acrolein	3.941	56	12817	19.434	ug/l	95
14) Allyl chloride	4.710	41	40566	4.765	ug/l	96
15) Acrylonitrile	5.411	53	40256	24.919	ug/l	97
16) Acetone	4.167	43	57295	28.989	ug/l	94
17) Carbon Disulfide	4.423	76	66505	4.996	ug/l	97
18) Methyl Acetate	4.716	43	18955	4.916	ug/l #	81
19) Methyl tert-butyl Ether	5.466	73	44030	4.842	ug/l	98
20) Methylene Chloride	4.947	84	36152	5.991	ug/l	93
21) trans-1,2-Dichloroethene	5.466	96	24959	4.990	ug/l	84
22) Diisopropyl ether	6.343	45	79652	4.620	ug/l	96
23) Vinyl Acetate	6.289	43	261672	22.449	ug/l	99
24) 1,1-Dichloroethane	6.252	63	48721	4.942	ug/l	100
25) 2-Butanone	7.197	43	57098	24.586	ug/l	92
26) 2,2-Dichloropropane	7.191	77	28327	5.117	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	27501	4.709	ug/l	96
28) Bromochloromethane	7.526	49	18913	4.829	ug/l	100
29) Tetrahydrofuran	7.557	42	32971	23.648	ug/l	99
30) Chloroform	7.697	83	49231	5.062	ug/l	100
31) Cyclohexane	7.965	56	52025	5.725	ug/l #	82
32) 1,1,1-Trichloroethane	7.886	97	35889	5.019	ug/l	98
36) 1,1-Dichloropropene	8.099	75	34969	4.937	ug/l	98
37) Ethyl Acetate	7.282	43	23672	4.879	ug/l	97
38) Carbon Tetrachloride	8.081	117	33327	5.087	ug/l	98
39) Methylcyclohexane	9.343	83	43176	4.847	ug/l	88
40) Benzene	8.337	78	105478	4.909	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	11541	4.450	ug/l #	93
42) 1,2-Dichloroethane	8.416	62	33419	4.884	ug/l	100
43) Isopropyl Acetate	8.435	43	40986	4.763	ug/l	98
44) Trichloroethene	9.105	130	24184	4.929	ug/l	88
45) 1,2-Dichloropropane	9.373	63	26384	4.852	ug/l	95
46) Dibromomethane	9.465	93	15550	4.881	ug/l	99
47) Bromodichloromethane	9.654	83	35228	4.754	ug/l	96
48) Methyl methacrylate	9.447	41	18672	4.597	ug/l	97
49) 1,4-Dioxane	9.465	88	4319	101.058	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	114583	23.884	ug/l	98
52) Toluene	10.392	92	61280	4.635	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	33288	4.556	ug/l	96
54) cis-1,3-Dichloropropene	10.081	75	37523	4.453	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	21128	4.943	ug/l	97
56) Ethyl methacrylate	10.648	69	26535	4.300	ug/l	99
57) 1,3-Dichloropropane	10.934	76	37801	4.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	58194	20.230	ug/l	100
59) 2-Hexanone	10.971	43	82226	23.665	ug/l	96
60) Dibromochloromethane	11.129	129	21635	4.544	ug/l	93
61) 1,2-Dibromoethane	11.239	107	19959	4.829	ug/l	97
64) Tetrachloroethene	10.867	164	20165	5.041	ug/l	93
65) Chlorobenzene	11.653	112	71301	5.005	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.727	131	21210	4.768	ug/l	94
67) Ethyl Benzene	11.733	91	114157	4.637	ug/l	97
68) m/p-Xylenes	11.836	106	88606	9.378	ug/l	100
69) o-Xylene	12.166	106	38677	4.438	ug/l	97
70) Styrene	12.184	104	67518	4.444	ug/l	99
71) Bromoform	12.355	173	11918	4.614	ug/l #	97
73) Isopropylbenzene	12.464	105	100235	4.310	ug/l	100
74) N-amyl acetate	12.269	43	32589	4.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	27299	4.875	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	21190m	5.195	ug/l	
77) Bromobenzene	12.745	156	25303	4.741	ug/l	98
78) n-propylbenzene	12.800	91	133793	4.503	ug/l	100
79) 2-Chlorotoluene	12.891	91	79964	4.585	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	84554	4.328	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	7694	4.187	ug/l	92
82) 4-Chlorotoluene	12.989	91	87954	4.749	ug/l	99
83) tert-Butylbenzene	13.202	119	71845	4.317	ug/l	95
84) 1,2,4-Trimethylbenzene	13.245	105	87015	4.417	ug/l	97
85) sec-Butylbenzene	13.379	105	118559	4.653	ug/l	98
86) p-Isopropyltoluene	13.495	119	91538	4.417	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	53742	4.920	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	53314	4.901	ug/l	90
89) n-Butylbenzene	13.818	91	95494	4.586	ug/l	99
90) Hexachloroethane	14.086	117	18108	4.678	ug/l	95
91) 1,2-Dichlorobenzene	13.866	146	48229	4.891	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	5256	5.285	ug/l	90
93) 1,2,4-Trichlorobenzene	15.122	180	27463	4.689	ug/l	99
94) Hexachlorobutadiene	15.226	225	14843	5.362	ug/l	96
95) Naphthalene	15.360	128	55541	3.941	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	25928	4.684	ug/l	96

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(#) = qualifier out of range (m) = manual integration (+) = signals summed						

